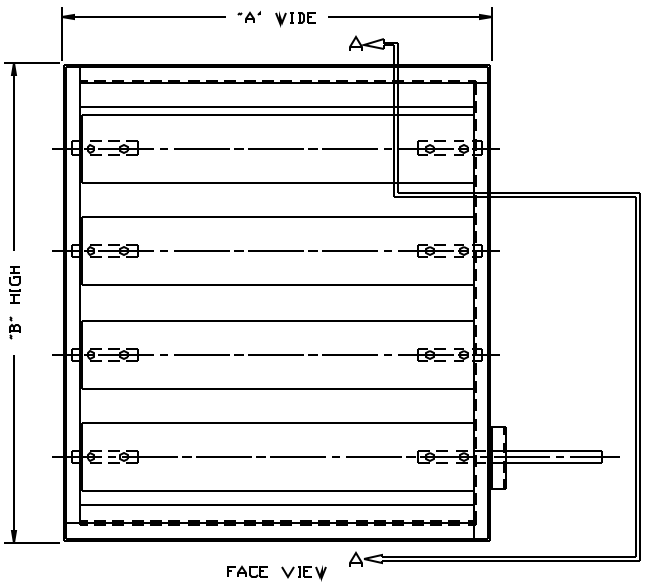
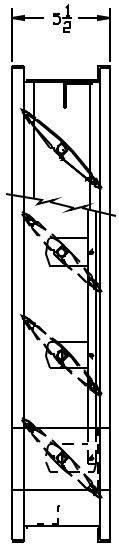
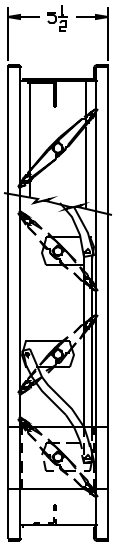
LOW LEAKAGE AIRFOIL BLADE VOLUME CONTROL DAMPER GALVANIZED STEEL CONSTRUCTION, 150°F MAX. TEMP.



FACE VIEW



GD-26
PARALLEL BLADE



GD-27
OPPOSED BLADE

L & D ITEM No.	QUANTITY	MODEL TYPE GD-26 OR GD-27	"A" WIDE OPENING (IN)	"B" HIGH OPENING (IN)	OPTIONS: ACT. POSITION LEFT HAND	OPTIONS: ACT. LOCATED IN AIRSTREAM	OPTIONS: OIL IMPREG. BRONZE SLEEVE BEARINGS (300°F)	OPTIONS: STAINLESS STEEL SLEEVE BEARINGS (300°F)	OPTIONS: FLANGED FRAME (F=FRONT R=REAR)	COMMENTS

STANDARD SPECIFICATIONS

FRAME: 5-1/2" X 7/8" X 16 GAUGE GALVANIZED STEEL HAT CHANNEL. FLAT 16 GAUGE GALVANIZED HEAD & SILL FOR MAXIMUM FREE AREA ON DAMPERS UNDER 14" HIGH. 5-1/2" x 7/8" x 1-1/2" x 16 GA. GALV. STEEL CHANNEL FOR OPTIONAL FLANGED FRAME DAMPERS.

BLADES: DOUBLE-SKIN GALVANIZED STEEL CONSTRUCTION WITH SINGLE LOCK SEAM. AIRFOIL SHAPED STRONGER THAN 14 GAUGE EQUIVALENT. 6-1/4" WIDE (INCLUDING EDGE SEALS) BY A MINIMUM OF 1/2" THICK AT THE CENTER. DEPENDING UPON THE DAMPER HEIGHT, A VARIABLE WIDTH BLADE MAY BE REQUIRED, WHICH WILL EXTEND TO A MAXIMUM OF 3-1/4" FROM EITHER THE FRONT OR BACK OF THE DAMPER. IF THE EXACT DIMENSIONS OF THIS VARIABLE BLADE IS CRITICAL, CONTACT AWV.

SEALS: DOUBLE DUROMETER VINYL (HIGH IMPACT PVC TO 150°F) ON BLADE EDGES, AND METALLIC COMPRESSION TYPE AT JAMBS (TO 300°F).

BEARINGS: HEAVY-DUTY MOLDED NYLON (TO 200°F).

STOPS: 16 GAUGE GALVANIZED STEEL ANGLE AT HEAD AND SILL.

LINKAGE: IN-JAMB TYPE, LOCATED OUTSIDE THE AIRSTREAM; PLATED STEEL TIE BAR & CRANK PLATES. AND STAINLESS STEEL PIVOTS.

FINISH: MILL.

ACTUATOR: 6" EXTENDED SHAFT. DAMPERS MORE THAN ONE PANEL WIDE OR HIGH AND OPERATED WITH ONE ACTUATOR MUST BE JACKSHAFTED.

NOTES

1. ANY VARIATIONS TO THE STANDARD SPECIFICATIONS MUST BE FACTORY APPROVED IN ADVANCE.
2. MAX. PANEL SIZE: 48" WIDE X 60" HIGH.
   MIN. PANEL SIZE: 8" WIDE X 8" HIGH (PARALLEL).
   8" WIDE X 14" HIGH (OPPOSED).
3. "A" (WIDTH) AND "B" (HEIGHT) DIMENSIONS ARE OPENING SIZES. DAMPERS WILL BE FABRICATED 1/4" UNDERSIZE.
4. FOR MAX. PRESSURE AND MAX. VELOCITY SEE REVERSE SIDE.
5. FOR MAXIMUM PERFORMANCE, WE RECOMMEND INSTALLATION IN THE DESIGNATED AIRFLOW DIRECTION; HOWEVER, DAMPERS WILL OPERATE EITHER WAY.
6. DAMPERS MAY BE INSTALLED VERTICALLY OR HORIZONTALLY, BUT WE DO NOT RECOMMEND INSTALLATION WITH THE BLADES AND AXLE IN THE VERTICAL POSITION

REV.	DESCRIPTION	DATE	BY

DATE :

L & D PROD. No. :

PROJECT :

CUSTOMER / ORDER No. :

ARCH. / ENGR. :

AGENT / ORDER No. :

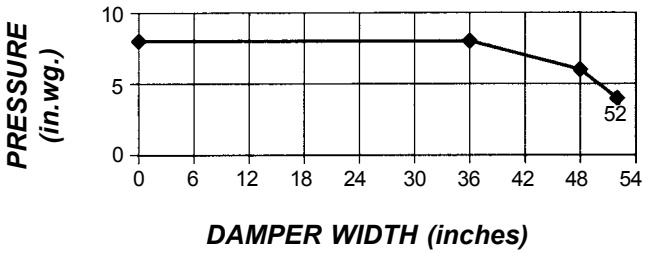
LOUVERS & DAMPERS
A MESTEK COMPANY
7435 INDUSTRIAL ROAD FLORENCE, KY
Phone (859) 647-2299 Fax (859) 647-7810

GD-26 & GD-27 VOLUME CONTROL DAMPERS

DRN. BY	DWG. NO.	REV.
SJA	GD-26-1	
DATE 3-19-01		

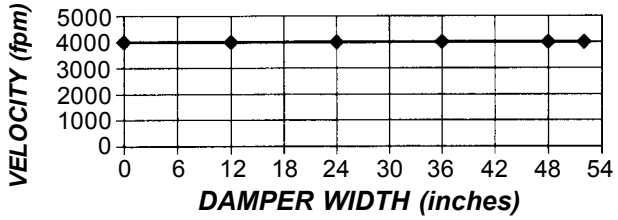
PRESSURE LIMITATIONS:

The pressure limitations shown below are based on the design limits of the axles or blade deflection. Another model should be selected if pressure exceeds the values shown.

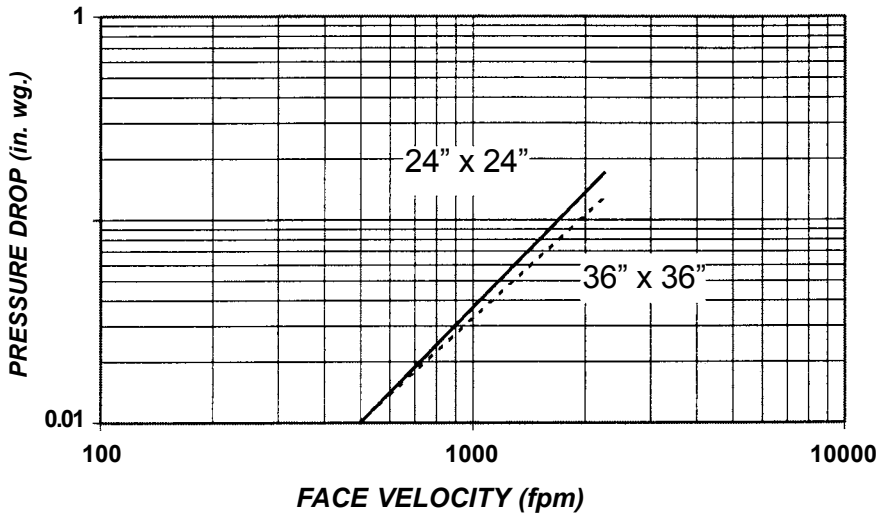


TORQUE:

TORQUE	
DIFFERENTIAL PRESSURE	**IN.-LBS./SQ. FT. REQUIRED**
2" W.G.	5
4" W.G.	10
6" W.G.	15



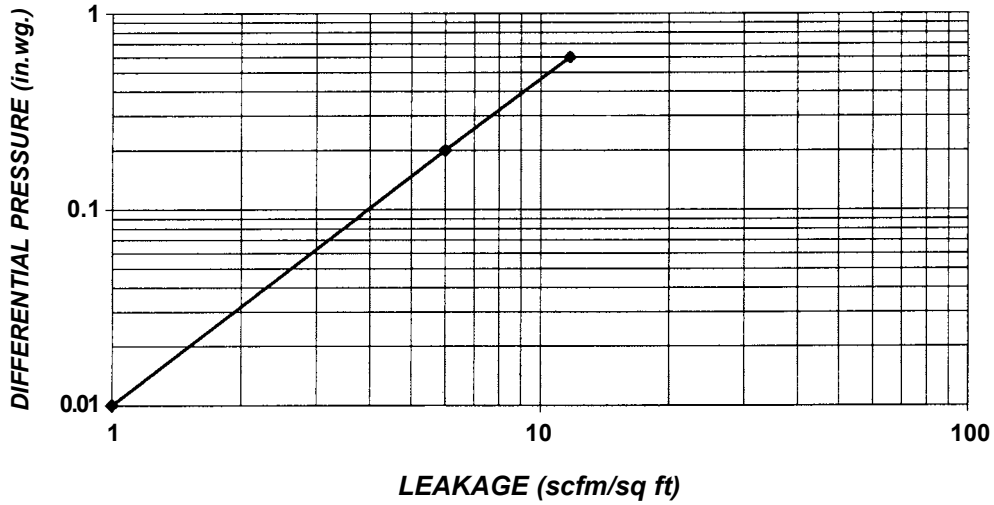
PRESSURE DROP: TYPICAL PERFORMANCE CURVE



Tested per AMCA Standard 500; Figure 5.3. Size tested: 24" x 24" and 36" x 36"

NOTE: Curves are for the two sizes indicated. Pressure drops will be somewhat lower for larger sizes and somewhat higher for smaller sizes.

LEAKAGE: TYPICAL LEAKAGE CURVES FOR GD26/27



NOTE: This is a composite curve of several typical damper sizes. Sizes larger than 24 x 24 will show slightly less leakage, and sizes smaller than 24 x 24 will show slightly more leakage than this curve.